**Incentive points:** Although not a federally mandated requirement for the grant, Arizona may award incentive points to proposals submitted by applicants who have not been previously funded by the MSP Program or from specific geographic areas in need of quality professional development in the area of secondary mathematics.

\*Up to 8 points can be added at the discretion of the review team based on the quality of the proposal.

#### 1. Partnership Comprehensive Needs Assessment:

The comprehensive needs assessment should indicate a clear statement of needs derived from multiple sources and multiple years if available.

Criteria	Exceeds Standard	Meets Standard	Below Standard
1a.	5 points	4 points	0 points
Identification of teacher	There is clear evidence of baseline data	There is clear evidence of baseline data	Limited baseline data is given. Needs
and student need	from at least 3 sources (i.e., norm-	from at least 2 sources (i.e., norm-	identified are not adequately
	referenced assessments, AIMS data,	referenced assessments, AIMS data,	supported by evidence. Data is not
	district benchmark assessments,	district benchmark assessments,	appropriately disaggregated.
	college transcripts, etc.) to support the	college transcripts, etc.) to support the	
	selected mathematics professional	selected mathematics professional	
	development needs of the school	development needs of the school	
	population. Both teacher and student	population. Teacher or student data	
	data are provided.	are provided. Number and percentage	
	Number and percentage of students to	of students to be impacted per site is	
	be impacted per site is indicated.	indicated. Specific student learning	
	Specific student learning needs are	needs are provided. Data is	
	provided. Data is disaggregated by	disaggregated by grade level and/or	
	grade level and/or course and school.	course and school.	

Criteria	Exceeds Standard	Meets Standard	Below Standard
1b. Identification of professional development needs	4 points Provides information on the number and percentage of secondary teachers who have sufficient and insufficient professional development in mathematics content knowledge disaggregated by school. The needs assessment also includes a correlation between teachers' content knowledge in mathematics and student achievement.	3 points Provides information on the number and percentage of secondary teachers who have sufficient and insufficient professional development in mathematics content knowledge disaggregated by school.	O points  Vague or limited information is given about the number of secondary teachers with sufficient and insufficient professional development in mathematics content knowledge. Data is not appropriately disaggregated.
1c. Prioritization of professional development needs	3 points There is clear evidence included that partners have collectively determined which professional development needs are of the highest priority and will be addressed by the project. The needs assessment demonstrates a clear alignment between needs and the targeted mathematics content/focus of the grant project.	2 points  Some evidence is provided to show that the targeted professional development needs were selected with input from project partners. The needs assessment demonstrates a clear alignment between needs and the targeted mathematics content/focus of the grant project.	O points Limited or no evidence is given to indicate why the partnership selected the targeted professional development needs. The targeted professional development needs do not align with targeted mathematics content/focus of the grant project.

### 2. Partnership Project SMART Goals and Objectives:

The project SMART goals and objectives should be closely linked to the professional development needs of the teachers.

Criteria	Exceeds Standard	Meets Standard	Below Standard
<b>Criteria 2a.</b> Description of the project's SMART goals and objectives	Exceeds Standard  5 points  Goals are clear and objectives are specific, measurable, attainable, results-oriented, time bound (SMART).  Objectives include reducing number of teachers not adequately prepared to teach mathematics and increasing academic achievement of students taught by teachers in the program.	Meets Standard  4 points  Goals and objectives are well defined and measurable. Objectives include reducing number of teachers not adequately prepared to teach mathematics and increasing academic achievement of students taught by teachers in the program.	Below Standard  O points  Goals or objectives are poorly designed and/or not measurable.
<b>2b.</b> Project is designed to achieve SMART goals and objectives	5 points Goals and objectives are specifically linked to the individual professional development needs of the teachers.	4 points Goals and objectives are linked to the professional development needs of the teachers.	O points Goals or objectives are poorly correlated with the needs assessment.
<b>2c.</b> Theory of action plan or logic model is linked to SMART goals and objectives of project	3 points  Describes a detailed theory of action plan or logic model that clearly links to the goals and objectives of the project.	2 points  Describes a theory of action plan or logic model that links to the goals and objectives of the project.	O points Little or no connection is made between the theory of action plan or logic model to the goals and objectives of the project.

#### 3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

The plan for professional development should be guided by research and the InTASC Teaching Standards and the Learning Forward Standards. The carefully designed activities should link to the SMART goals and objectives of the plan with emphasis on content knowledge and pedagogical content knowledge.

Criteria	Exceeds Standard	Meets Standard	Below Standard
<b>3a</b> . Connecting prior	<b>3 points</b> Provides a detailed description of prior	<b>2 points</b> Describes prior efforts to improve	1 points Does not adequately address prior
professional development efforts to proposed project	efforts to improve teacher content knowledge and student achievement in mathematics, lessons learned from these prior efforts, and how this project will build on those efforts.	teacher content knowledge and student achievement in mathematics and relates how this project will build on those efforts.	efforts to improve teacher content knowledge and student achievement in mathematics and/or how this project will build on those efforts.
3b. Activities are linked to SMART goals and objectives of proposal	5 points Provides specific and clear activities that link to the SMART goals and objectives stated in the project and the data provided by the needs assessment.	4 points Evidence is provided that activities will lead to achievement of the SMART goals and objectives.	O points Little or no correlation is made between activities and achievement of the project's goals or objectives.
3c. Supporting research linking professional development strategies and increased student achievement in mathematics	6 points Clearly outlines how the professional development strategies are valid and reliable, based on a review of scientifically-based research, and how the project expects to increase student academic achievement in mathematics and strengthen the quality of mathematics instruction.	5 points Includes clearly documented scientifically-based research that the professional development strategies will increase student achievement in mathematics and strengthen the quality of mathematics instruction.	O points Proposal includes references but provides little evidence of research linking professional development strategies to increased student achievement in mathematics and/or strengthening of the quality of mathematics instruction.

Criteria	Exceeds Standard	Meets Standard	Below Standard
Criteria  3d.  Description and timeline of professional development activities	4 points Includes a clear and detailed description (outlining the targeted concepts) and timeline of all the professional development activities (80 hours of rigorous & deep mathematics content and at least 24 additional hours which emphasize formative assessment for a total of 104 hours). Timeline includes the number, types, duration, intensity and responsible partner(s) and utilizes the template provided in Appendix G of the application.	Meets Standard  3 points Includes a general description (outlining the targeted concepts) and timeline of all the professional development activities (80 hours of rigorous & deep mathematics content and at least 24 additional hours which emphasize formative assessment for a total of 104 hours) Timeline includes the number, types, duration, intensity and responsible partner(s) and utilizes the template provided in Appendix G of the application.	Below Standard  O points Includes an incomplete description and/or timeline.
<b>3e.</b> Planned activities are aligned with Arizona's College and Career Ready Standards for Mathematics High School.	5 points Includes a clear and detailed description of how the proposed professional development will be aligned to the targeted Arizona's College and Career Ready Standards for Mathematics in High School.	4 points  Describes professional development that is aligned to the targeted Arizona's College and Career Ready Standards for Mathematics in High School.	O points  Provides a limited description of how the professional development is aligned to the targeted Arizona's College and Career Ready Standards for Mathematics in High School.
<b>3f.</b> Planned activities are aligned with InTASC Teaching Standards and the Learning Forward Standards	3 points Describes a detailed plan that clearly illustrates how the proposed professional development is aligned with the InTASC Teaching Standards and the Learning Forward Standards, and provides for work-embedded application of new learning, continuous reflection, and ongoing support.	2 points  Describes how the proposed professional development is aligned with the InTASC Teaching Standards and the Learning Forward Standards, and provides for work-embedded application of new learning, continuous reflection, and ongoing support.	O points  Does not provide sufficient evidence describing how the proposed professional development is aligned with the InTASC Teaching Standards and the Learning Forward Standards, or does not provide for workembedded application of new learning, continuous reflection, and ongoing support.

Criteria	Exceeds Standard	Meets Standard	Below Standard
<b>3g.</b> Planned activities contain rigor and challenging content and develop pedagogical content knowledge	6 points Includes evidence that the professional development is rigorous and challenging in academic content and explicitly addresses knowledge of content and students, and knowledge of content and teaching. (Evidence of rigor and challenge should also be in the sample lesson plan with technology integration, description, and timeline.)	5 points Includes evidence that the professional development is rigorous and challenging in academic content and also develops pedagogical content knowledge. (Evidence of rigor and challenge should also be in the sample lesson plan, description, and timeline.)	O points Provides limited evidence that the professional development is rigorous or challenging in academic content and/or focuses mainly on pedagogy.
3h.  Design elements for planned activities	3 points Proposed detailed, coherent plan that is aligned to a professional development design that fully develops these 4 elements (see Definitions Section):  • Learn the Content • Reinforce the Content Learning • Consolidate the Learning • Implement the Content Provides within sample plan, evidence that all four elements are addressed including technology integration. Description of activities and timelines demonstrate the implementation of the 4 elements and indicate that all offerings (summer and academic year) contain Learn the Content and Reinforce the Content Learning.	2 points Proposed plan is aligned to a professional development design that includes these 4 elements (see Definitions Section):  • Learn the Content • Reinforce the Content Learning • Consolidate the Learning • Implement the Content Provides within sample plan, evidence that all four elements are addressed including technology integration. Description of activities and timelines demonstrate the implementation of the 4 elements and indicate that all offerings (summer and academic year) contain Learn the Content and Reinforce the Content Learning.	O points  Proposed plan is aligned to a professional development design that is missing one or more of these 4 elements (see Definitions Section) or the sample plan does not provide evidence that all four elements are addressed:  • Learn the Content • Reinforce the Content Learning • Consolidate the Learning • Implement the Content  Description of activities and timelines do not demonstrate the implementation of the 4 elements and/or do not indicate that all sessions contain Learn the Content and Reinforce the Content Learning.

#### 4. Partnership Evaluation and Accountability Plan:\*

Identify evaluation methods that the project will use and explain why those methods are appropriate for the identified needs the proposal addresses. A proposal must make a compelling case for the activities of the project and describe how the activities will help the MSP program build a rigorous, cumulative, reproducible, and usable body of findings.

\*If one or more indicators in this section are scored "Below Standard," the grant proposal may be rejected.

Criteria	Exceeds Standard	Meets Standard	Below Standard
4a.	5 points	4 points	0 points
Design of evaluation	Describes a detailed evaluation plan	Describes a detailed evaluation plan	Describes an evaluation plan that is not
plan is based on quasi-	based on experimental design, with	based on a quasi-experimental design	based on experimental or quasi-
experimental or	defined treatment and control groups	in which intervention and carefully	experimental design. Strategies for
experimental design	with adequate sample sizes (at least 36	matched control groups are	recruitment and retention of
	teachers) in each group, in which	constructed, with adequate sample	intervention and control groups to
	intervention and control groups are	sizes (at least 36 teachers) in each	maintain sample size are not
	constructed by randomly assigning	group. Strategies for recruitment and	adequately addressed. Matching
	some teachers to participate in the	retention of intervention and control	characteristics and methods for
	project activities and others to not	groups to maintain sample size	reporting the equivalence of the
	participate. Strategies for recruitment	throughout the project is included.	groups are not provided or do not
	and retention of intervention and	Matching characteristics (including, at	meet the minimum criteria. The
	control groups to maintain sample size	a minimum, the length of time	evaluation plan does not adequately
	throughout the project is included.	teaching, grade band, educational	incorporate reporting requirements
	Matching characteristics for	degree, and area of education	(quarterly reports to ADE, Annual
	comparison (including, at a minimum,	specialization) and methods for	Performance Reports, and formal
	the length of time teaching, grade	reporting the equivalence of the	evaluation reports).
	band, educational degree, and area of	groups is provided. A short statement	
	education specialization) and methods	of the research questions to be	
	for reporting the equivalence of the	answered is included. The evaluation	
	groups is well developed and detailed.	plan incorporates reporting	
	A short statement of the research	requirements (quarterly reports to	
	questions to be answered is included.	ADE, Annual Performance Reports, and	
	The evaluation plan incorporates	formal evaluation reports).	
	reporting requirements (quarterly		
	reports to ADE, Annual Performance		
	Reports, and formal evaluation		
	reports).		

Criteria	Exceeds Standard	Meets Standard	Below Standard
4b.  Measurable evidence for impact of project on student achievement and teacher effectiveness goals	5 points Required state measures (RTOP, valid mathematics content measures) and additional measures (e.g., NRT, CRT, or district measures) are used to show the impact of the professional development on student achievement and teacher effectiveness. The evaluation plan includes both pre- and post- RTOP observations and pre- and post-testing of teacher content knowledge and student content knowledge for the intervention and control groups. Description of both summative and formative assessment procedures and the planned analysis of results are included. A description of the statistical tests that will be used in the analyses is well developed and detailed including within group and across group comparisons.	4 points Required state measures (RTOP, valid mathematics content measures) are used to show the impact of the professional development on teacher effectiveness. The evaluation plan includes both pre- and post- RTOP observations and pre- and post-testing of teacher content knowledge and student content knowledge for the intervention and control groups. A description of the statistical tests that will be used in the analyses is included.	O points Required state measures (RTOP, valid mathematics content measures) are not included and/or summative or formative assessment procedures are not described and/or an analysis of results is inadequate. A description of the statistical tests that will be used in the analyses is not included or lacks necessary details.
<b>4c.</b> Contribution to research	3 points Evaluation plan clearly articulates how the activities will help the MSP Program build a rigorous, cumulative, reproducible, and usable body of findings. Appropriate qualifications of the internal and external organization or individuals responsible for executing the plan are included.	1 point Evaluation plan describes how the activities will help the MSP Program build a rigorous, cumulative, reproducible, and usable body of findings. The internal and external organization or individuals responsible for executing the plan are referenced.	O points Evaluation plan inadequately articulates how the activities will help the MSP Program build a rigorous, cumulative, reproducible, or usable body of findings and/or the internal and external organization or individuals responsible for executing the plan are not referenced.

#### 5. Commitment and Capacity of Partnership:

The project description must clearly demonstrate the submitting partnership has the capability of managing the project, organizing the work and meeting deadlines.

Criteria	Exceeds Standard	Meets Standard	Below Standard
5a.	4 points	3 points	0 points
Partnership's role in planning and development of proposal and project development, delivery, and evaluation	Evidence is provided that clearly describes each partner's role in the planning and development of the proposal and each partner's role in the ongoing planning, delivery, and evaluation of the proposed project. Information is provided in the template from Appendix G of the application.	Evidence is provided that outlines each partner's role in the planning and development of the proposal and each partner's role in the ongoing planning, delivery, and evaluation of the proposed project. Information is provided in the template from Appendix G of the application.	Little or no evidence is provided to indicate the role of one or more partners.
<b>5b.</b> Duties and responsibilities related to the goals and objectives of the project	5 points The proposal includes a detailed description of the duties and responsibilities of all project staff members and how they are aligned to the goals and objectives of the proposal. Information is provided in the template from Appendix G of the application.	4 points  The proposal includes an outline of the duties and responsibilities of all project staff members and how they are aligned to the goals and objectives of the proposal. Information is provided in the template from Appendix G of the application.	O points Inadequate information on the duties and responsibilities of all project staff members is provided.

Criteria	Exceeds Standard	Meets Standard	Below Standard
5c.	4 points	3 points	0 points
Capacity of partnership	Evidence of the number and quality of staff to carry out the proposed activities and vitas for key partners' staff and Teacher Assurance Forms are provided. Project staff includes a mathematics faculty/mathematics educator team and the number of staff delivering the professional development is proportionate to the number of participants. A project director or co-director from the LEA is included. A detailed description of the specific institutional resources to support project activities is included.	Evidence of the number and quality of staff to carry out the proposed activities and vitas for key partners' staff and Teacher Assurance Forms are provided. Project staff includes a mathematics faculty/mathematics educator team and the number of staff delivering the professional development is proportionate to the number of participants. A project director or co-director from the LEA is included. Institutional resources to support project activities are unclear.	Explanation of capacity is inadequate and may be missing one or more of the criteria.
<b>5d.</b> Partnership governance	3 points The partnership's governing structure specific to decision-making, communication, and fiscal responsibilities is well-defined and linked to the goals, objectives, and project activities. The proposal includes a description and evidence of how the private schools were informed. The forms found in Appendices E and F of the application are completed.	2 points The partnership's governing structure specific to decision-making, communication, and fiscal responsibilities is well-defined. The proposal includes a description and evidence of how the private schools were informed. The forms found in Appendices E and F of the application are completed.	O points Inadequate information is provided related to partnership governance or how the private schools were informed.

Criteria	Exceeds Standard	Meets Standard	Below Standard
5e.	3 points	2 points	0 points
Sustainability	There is a clear, specific and detailed plan for project continuation. The plan addresses the obstacles to future funding, how assessment data will be used, how the project will be promoted within the school and school districts, and how leadership capacity at the principal and teacher levels will be fostered.	Description of how the project will be sustained and continued when state funding is no longer available is outlined in the plan. The plan addresses all of the following within the outline: how assessment data will be used, how the project will be promoted within the school and school districts and how leadership capacity at the principal and teacher levels will be fostered.	There is an inadequate plan for how the partnership will continue when the state funding is no longer available.

#### 6. Partnership Budget and Cost Effectiveness:\*

The budget justification should clearly be tied to the scope and requirements of the project. The budget narrative should describe the basis for determining the amounts shown on the project budget page. All proposals should include provisions for evaluation of the activities.

\*Up to 2 incentive points may be awarded if one or more partners provide additional funding for the project beyond that requested in the MSP proposal

Criteria	Meets Standard	Below Standard
6a.	2 points	0 points
Budget details	The proposal provides a general summary of the	The proposal provides insufficient budget information
(In Narrative)	budget outlining specific costs of each category over	regarding specific costs of each category over the duration
	the duration of the project; the proposal includes a	of the project; the proposal provides insufficient
	budget summary for each partner; and the budget	information for each partner; or the budget does not
	supports the scope and requirements of the project.	support the scope and requirements of the project.
6b.	4 points	0 points
Cost effectiveness	The amount included in each budget category is	The amount included in each budget category is not
(In Appendix of completed	detailed and commensurate with the services or	commensurate with the services or goods proposed, or
application and Narrative)	goods proposed, and the overall cost of the project is	the overall cost of the project is not appropriate for the
	appropriate for the professional development	professional development provided and the number of
	provided and the number of teachers served. The	teachers served.
	form provided in Appendix J of application packet is	
	completed.	
6c.	2 points	0 points
Provisions for training,	The budget includes provisions for an evaluation and	The budget does not include adequate provisions for an
evaluation and required	funds for key staff, specifically the project director(s),	evaluation and/or funds for key staff, specifically the
meetings	to participate in 2 state technical assistance meetings	project director(s), to participate in 2 state technical
(In Appendix of completed	and 1 regional MSP meeting. External evaluation staff	assistance meetings or 1 regional MSP meeting, the
application)	must attend the spring technical assistance meeting	external evaluation staff to attend the spring technical
	and USDOE Regional meeting. Funds are allocated for	assistance meeting, or attendance at the Mathematics
	attendance at the Mathematics RTOP training as	RTOP training.
	needed.	